



CX SERIES | **CXA80 / CXA60**
CUTTING EDGE DIGITAL AUDIO | INTEGRATED AMPLIFIERS

CXA60/CXA80

INTEGRATED AMPLIFIERS

TWO AMPLIFIERS FOR THE DIGITAL AGE



CXA60

- 2 x 60 Watts of power
- Wolfson DAC
- Toroidal transformer
- Optional Bluetooth

CXA80

- 2 x 80 Watts of power
- Balanced XLR input
- Asynchronous USB Audio input
- Wolfson DAC
- Toroidal transformer
- Optional Bluetooth

Designed from the ground up for the new CX Series, the Cambridge CXA60 and CXA80 deliver stunning analogue amplification, combined with high quality digital to analogue conversion. The result is two integrated amplifiers that are perfect for today's digital sources as well as traditional analogue ones.

We all love to play our music from a variety of sources which have a range of analogue and digital outputs – from streamers, TVs and laptops, to CD players and turntables. By catering for a wide variety of analogue and digital audio input types, the CXA60 and CXA80 allow all of our different music sources to receive the same high quality amplification.

With analogue RCA and 3.5mm inputs, coaxial and optical digital inputs, and a high quality Wolfson DAC, these amplifiers will handle your music sources for years to come. Adding to the impressive specification, the CXA80 also features an asynchronous USB Audio input and a balanced XLR input.

You can even bring the CXA's stunning amplification to all of your apps and streaming services via your smartphone, tablet or computer. Connect wirelessly using the optional BT100 Bluetooth receiver to listen to popular services such as YouTube or Spotify played back in stunning quality through the CXA60 and CXA80.

The CXA60 and CXA80 both use a highly-efficient Class A/B amplifier design, an audiophile grade oversize toroidal transformer and substantial extruded heat sinks. This allows the CXA60 to deliver 60 Watts per channel of pure power. The CXA80 goes even further with an ingenious dual-mono amplifier design, outputting 80 Watts per channel.

CX SERIES



CXN
NETWORK PLAYER



CXC
DEDICATED CD TRANSPORT



CXA60
STEREO AMPLIFIER



CXA80
STEREO AMPLIFIER



CXR120
AV RECEIVER



CXR200
AV RECEIVER

HELPING US ACHIEVE THIS INCREDIBLE SOUND ARE SOME OTHER KEY FEATURES RARELY SEEN AT THIS PRICE POINT

Toroidal transformer

We use a highly efficient Class A/B amplifier design, a centrally mounted audiophile grade oversized toroidal transformer, and substantial extruded heatsinks.

This allows the CXA80 to deliver 2 x 80 Watts RMS into 8 Ohms. Into 4 Ohms, this increases to 2 x 120W.

The CXA60 delivers 2 x 60 Watts RMS into 8 Ohms. Into 4 Ohms, this increases to 2 x 90W.

Careful positioning

We mount the premium toroidal transformer centrally, away from the sensitive preamp circuitry to avoid any heat disturbance.

Dual mono design (CXA80 only)

Separate transformer taps for left and right channels, twin rectifiers and separate PSUs give dual mono operation of the left and right power amplifiers.

Superb separation

The internal PCB layout is optimised for minimal left/right 'crosstalk' and to maximise the quality of stereo separation. By entirely separating the left and right channel heat sinks, and using symmetrical and separated circuit paths for the two channels, we ensure that the CXA60 and CXA80 deliver stunning stereo separation and minimum cross-channel interference.

High performance USB (CXA80 only)

With more and more of us enjoying music from our computers, the CXA80 features a high quality asynchronous USB Audio input, allowing it to act as a high quality external sound card for your computer or laptop. Featuring asynchronous USB audio clocking, and supporting both USB Class 1 and USB Class 2, the CXA80 can be used to play everything from MP3s to the highest quality 24-bit/192kHz studio master recordings from your computer or laptop, all free from unwanted noise, jitter and distortion.

Maximise streaming services and Apps

Bring the amplifier's stunning, superior audio quality to all your apps and streaming services via your smartphone, tablet or computer. Instantly and easily listen to popular services such as YouTube or Spotify played back in stunning quality through the CXA60 and CXA80's Bluetooth connection.

Stunning stereo imaging

An ALP's film type volume pot delivers superb low level channel balance and stereo imaging.



CXA80



THE CXA60 AND CXA80 DELIVER EXCEPTIONAL QUALITY AUDIO FROM A WIDE VARIETY OF INPUTS. HERE ARE 10 REASONS TO CHOOSE THE CXA60 AND CXA80 OVER OTHER AMPLIFIERS...

1.

Analogue and Digital connections

With analogue RCA and 3.5mm inputs, coaxial and optical digital inputs, and a high quality Wolfson DAC, these amplifiers will handle your music sources for years to come. The CXA80 also features an asynchronous USB Audio input and a balanced XLR input.

2.

Wolfson DAC

The CXA60 and CXA80 both feature a high performance Wolfson WM8740 DAC for the very best digital to analogue conversion.

3.

Superior sound

By entirely separating the left and right channel heat sinks, and using symmetrical and separated circuit paths for the two channels, the CXA60 and CXA80 deliver stunning stereo separation and minimum cross-channel interference.

4.

Toroidal transformer

The CXA60 and CXA80 both use a large toroidal transformer to deliver perfect, low distortion power for all your music.

5.

High performance USB

The CXA80 features a high quality asynchronous USB Audio input for playback of up to 24-bit/192kHz high resolution files from a connected computer or laptop.

6.

Bluetooth connectivity

You can add Bluetooth connectivity to your CXA60 or CXA80 by using the optional BT100 Bluetooth receiver. As well as the Standard Bluetooth Codec (SBC), this also supports the higher quality Bluetooth system, aptX, which is supported by more and more devices and sounds even better, meaning you can get the best possible results from any Bluetooth device.

7.

Pure power

The CXA60 delivers 60 Watts per channel of pure power. The CXA80 goes even further with an ingenious dual-mono amplifier design, outputting 80 Watts per channel. Into 4 ohms, these power figures increase to 90 Watts and 120 Watts respectively.

8.

CAP5 protection

Protects the CXA60 and CXA80 and your speakers, ensuring ultimate reliability and peace of mind.

9.

Private listening

The CXA60 and CXA80's headphone output will deliver high quality sound too; great when not wanting to disturb others.

10.

All metal design

Electronics (and therefore sound quality) are particularly susceptible to vibration; that's why we've used a low resonance, acoustically-dampened metal chassis to eliminate as much vibration as possible; ensuring that the highest sound quality is extracted from each audio source.

Toroidal Versus EI Transformers

We strive for audio perfection which is why the CXC features an audiophile grade toroidal transformer. Cambridge was one of the first manufacturers to use toroidal transformers in the 1970s, and we continue to use them today. Some of the benefits of a toroidal transformer, over the cheaper, inferior EI transformers used by most other manufacturers are:

Toroidal transformer: used in CXA60 and CXA80

- + High quality power output to the audio circuits, with no clipping of the waveform signal, to provide a consistent signal.
- + No transformer noise, buzz or hum.
- + Large power reserves, to allow the transformer to deliver high peaks of volume when required
- + Fully shielded against internal and external electrical interference, to maintain quality of power and signal.

EI transformer: used by competitors

- + Weak inconsistent signal
- + No shielding
- + Won't drive powerful and demanding speakers
- + Noisy

Peace of mind guaranteed

CAP5 Protection protects the CXA60 and CXA80 and your speakers, ensuring ultimate reliability and peace of mind.

- **Over current** – protects speakers from being driven too hard.
- **Temperature protection** – in case of inadequate ventilation.
- **DC Detect** – protects against the most common user errors in set-up.
- **Short circuits** – to detect incorrectly connected speakers.
- **Clipping** – prevents damage if the CXA60 or CXA80 is driven too hard.

CXA60



Power output: 60W RMS into 8 Ohms, 90W RMS into 4 Ohms

DAC: Wolfson WM8740

Frequency Response: <5Hz– 60kHz +/-1dB

Analogue audio inputs: 4 x RCA, 1 x 3.5mm MP3 input (front panel)

Digital audio inputs: 1 x S/PDIF coaxial, 2 x TOSLINK optical, Bluetooth via BT100 (not supplied)

Compatibility: TOSLINK optical, S/PDIF coaxial, BT100 Bluetooth receiver

Outputs: Speakers A+B, 3.5mm Headphone, Preamp Output, Subwoofer Output

Max power consumption: 600W

Standby power consumption: <0.5W

Dimensions (H x W x D)*: 115 x 430 x 341mm (4.5 x 16.9 x 13.4")

Weight: 8.3kg (18.3lbs)

CXA80



Power output: 80W RMS into 8 Ohms, 120W RMS into 4 Ohms

DAC: Wolfson WM8740

Frequency Response: <5Hz– 60kHz +/-1dB

Analogue audio inputs: 1x balanced XLR, 4 x RCA, 1 x 3.5mm MP3 input (front panel)

Digital audio inputs: 1 x S/PDIF coaxial, 2 x TOSLINK optical, 1 x USB audio, Bluetooth via BT100 (not supplied)

Compatibility: TOSLINK optical, S/PDIF coaxial, USB 1.0 and 2.0, BT100 Bluetooth receiver

Outputs: Speakers A+B, 3.5mm headphone, Preamp Output, Subwoofer Output

Max power consumption: 750W

Standby power consumption: <0.5W

Dimensions (H x W x D)*: 115 x 430 x 341mm (4.5 x 16.9 x 13.4")

Weight: 8.7kg (19.1lbs)

CAMBRIDGE: OUR STORY

Since 1968 Cambridge has been driven by a simple belief; that music should always sound amazing. Cambridge is for people who really listen to music.

Our original British-designed products are enjoyed the world over by people like you who share a love of music.

We have an envied reputation for innovation and every one of our engineers is fanatical in their pursuit of delivering an authentic and enjoyable experience. When you listen to a Cambridge product you don't just hear the difference, you feel it.

We want everyone to experience that pleasure. We love music and we're proud of what we do. Our passion for listening to great music and the fun we have in the process of creating the products we make shines through, for all to see and hear.

We're all music lovers, plain and simple and we want to share that love. Because great things happen when people who love music, design hi-fi!



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* Maximum including sockets and controls